



*Environmental Challenges*  
**BUSINESS SOLUTIONS**

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**ANNUAL INSPECTION REPORT  
CLOSED INDUSTRIAL EXCESS LANDFILL (IEL) SITE  
UNIONTOWN, OH 44685**

**PREPARED FOR:**

**BRIDGESTONE AMERICAS TIRE OPERATIONS, LLC  
535 MARRIOTT DRIVE  
NASHVILLE, TN 37214**

**PREPARED BY:**

**EARTHCON SITE SERVICES, INC.  
411A HIGHLAND AVE., #377  
SOMERVILLE, MA 02144**

**EarthCon Project No. 311001**

**October 15, 2012**

## 1.0 INTRODUCTION

EarthCon Consultants, Inc. (EarthCon) has prepared this Annual Inspection Report (AIR) for the Industrial Excess Landfill (IEL) site located in Uniontown, Ohio on behalf of Bridgestone Americas Tire Operations, LLC (BATO). The AIR is required by the draft Operations and Maintenance (O&M) Plan (*Draft Operations and Maintenance Plan, Industrial Excess Landfill, Uniontown, Ohio* EarthCon, January 27, 2012). The O&M Plan describes monitoring and maintenance activities required under the 2002 Record of Decision Amendment (ROD) and approved 2003 Remedial Design Plan (RDP) with modifications as proposed therein. The draft O&M Plan describes required activities at the IEL site that include the following:

- Biennial groundwater and landfill gas (LFG) monitoring (i.e., once every two years);
- Annual inspection of groundwater monitoring wells; the landfill cover and ecological habitats; and perimeter security fence; with maintenance as needed, and;
- Annual reporting of the Site Inspection results within 30 days of the site inspection, and biennial reporting of monitoring and maintenance results within 90 days of completion of the monitoring beginning in 2013.

No groundwater or landfill gas monitoring was scheduled for this year, and therefore, these activities are not described further in this AIR.

## 2.0 BACKGROUND

The IEL Site is located in a rural residential area in Lake Township, Stark County, Ohio approximately 10 miles southeast of Akron (Figure 1, Site Location Map). The Site includes an approximately 29 acre non-operating landfill located about 0.4 miles south of the intersection of Cleveland Avenue and State Route 619 at 12646 Cleveland Avenue, NW. The landfill was closed under Ohio law pursuant to a court order in 1980. In 1990, U.S. EPA purchased several adjoining properties adjacent to the original Site resulting in a total area measuring approximately 47 acres. The Site is bounded by Cleveland Avenue to the west, Metzger's Ditch to the east, commercial buildings to the south, and residences to the north as shown on Figure 2.

The groundwater monitoring history for this site is summarized in the 30-Year IEL Sampling Event Matrix in Table 1. Since the 2002 ROD Amendment, full monitoring of the existing groundwater well network for site organic and inorganic constituents-of-concern (COCs) and natural attenuation indicator parameters was conducted in 2004, 2006 and 2011. Other quarterly, semi-annual and annual monitoring events were conducted for VOCs only. Groundwater data supports the conclusion that groundwater quality is improving over time. Groundwater monitoring is currently conducted biennially beginning in May 2013.

The current phase of LFG monitoring at the IEL site was first conducted prior to conversion of the active Methane Venting System (MVS) to a passive system in August 2004. The LFG monitoring network includes a total of 61 nested LFG monitoring wells, passive LFG vents, and former LFG extraction wells. The monitoring frequency evolved from daily, to weekly, bi-weekly, every third week, then monthly until June 2005. More recently, LFG monitoring was conducted in conjunction with the annual groundwater sampling event. USEPA was routinely informed of this LFG monitoring and the annual groundwater sampling events, in accordance with the Order. Given the age of the site, the continually decreasing methane concentrations documented during the last eight years, and the lack of detectable levels of methane in the perimeter wells, the evidence supports the conclusion that the potential for significant methane migration is low. Regardless, LFG monitoring will continue at select locations in conjunction with the biennial groundwater sampling events to confirm this conclusion.

#### General Inspection Requirements

As per the draft O&M Plan, Site inspections are to be conducted on an annual basis. The condition of a number of site features will be observed and recorded annually, typically in May of each year, and will include:

- Perimeter fencing effectiveness in restricting human access;
- Landfill cover including ecological habitats according to the vegetative plan;
- Condition of groundwater monitoring wells, and;
- Current use of the site as commercial/industrial (BATO has voluntarily agreed to observe current use of the Site to assist USEPA in confirming that there is no residential activity.)

BATO is to notify U.S. EPA and Ohio EPA at least 21 days prior to the annual inspection of the Site. Damage to fencing, monitoring wells, or other conditions requiring maintenance that are observed during the Annual Site Inspection will be identified and necessary maintenance will be conducted and documented, as needed, within 60 days of the Annual Site Inspection beginning in 2013. If it appears that the Site is being used for residential purposes, BATO will expeditiously notify USEPA following the inspection so that USEPA may take appropriate action. Observations will be documented on the Annual IEL Site Inspection Form. The results of the Annual Site Inspection will be compiled into the AIR and will be submitted to U.S. EPA and Ohio EPA within 30 days of completion of the site inspection beginning in 2013. Next year, the Annual Site Inspection will be conducted in conjunction with biennial groundwater and LFG Monitoring in May 2013.

### **3.0 SCOPE of 2012 ANNUAL INSPECTION**

The 2012 Annual Inspection was conducted with respect to the following:

- Perimeter Fencing Effectiveness in restricting human access;
- Landfill cover including ecological habitats according to the vegetative plan;
- Condition of groundwater monitoring wells;
- Condition of LFG monitoring points;
- Indications of use of the site limited to commercial/industrial and overall condition of the site and access road, and;
- Closed Methane Venting System.

The Annual Inspection was conducted during several site visits. On May 30, 2012 Stacey Yonce (USEPA), Larry Antonelli of the Ohio EPA, and Anka Wiencek and JD Haines of EarthCon met at the site and performed a general inspection. On June 27, 2012 David Richardson of EarthCon conducted an inspection of the landfill cover and ecological habitat monitoring. On August 3, 2012 Anka Wiencek of EarthCon and Larry Antonelli of the Ohio EPA conducted a follow-up inspection that included the perimeter fencing, groundwater monitoring wells, LFG monitoring wells and the closed MVS. The August 3, 2012 visual inspections were conducted by walking the entire fence line starting at the Main Gate and traveling east, as well as diagonally walking from the northeast corner to the northwest corner through the interior. The inspection continued

outside of the fence line along the western and southern property boundaries. All groundwater and LFG monitoring wells were visually inspected, including off-site groundwater monitoring wells. Photos of the relevant features were taken during these events. Appendix A contains the field log of the May 30, 2012 inspection. Appendix B contains the field logs and the photographic log of the June 27, 2012 site inspection, and Appendix C provides the field logs and the photographic log from the August 3, 2012 follow-up inspection.

## **4.0 SITE INSPECTION RESULTS**

Results of the site inspections are summarized below.

### **4.1 Perimeter Fencing**

The goals of the visual inspection of the perimeter fence and gates are to ensure that the site is secure and that it restricts human access. The locks on the gates were changed and one key opens them all. The perimeter fence was repaired and the Main Gate was replaced in 2011. The following observations were recorded during the 2012 visual inspection:

- The Main Gate has a 'Restricted Area Sign' that is visible. It contains outdated contact information. The sign must be updated. Ohio EPA is advising whether or not it is their responsibility to change the sign.
- A gopher hole was observed in front of the first gate on the north side of the fence going east. The hole will be filled in.
- A 10'-15' wide section where the base of the fence does not meet the ground was observed just east of the second gate on the north side. The fence sits approximately 1' above the ground across this section. Soil will be brought in to fill this gap.
- A 3' wide section where the base of the fence does not meet the ground was observed in front of EW-11 on the north side. The fence sits approximately 1' above the ground across this approximate 3' wide section. Soil will be brought in to fill this gap
- Excess vegetation was observed on and around the fence between the first gate and the second gate on the north side. Tree branches are resting on a part of

the fence just east of the second gate. The excess vegetation and tree branches will be removed to protect the fence.

- The southwest corner of the fence has a 'Restricted Area Sign' that is visible. It contains outdated contact information. The sign must be updated. Ohio EPA is advising whether or not it is their responsibility to change the sign.

The field logs and photo log attached as Appendix C documents these observations.

## **4.2 Landfill Cover and Ecological Habitat Monitoring**

Quarterly habitat monitoring was undertaken on June 27, 2012. The effort was done in support of Wildlife Habitat Council (WHC) recertification due in July 2013 and for the 2012 Annual Inspection Report.

The main goals of the habitat monitoring are to assess the status of habitat enhancements performed at the site, and also to evaluate the state of concerns previously identified at the site. Site enhancements to be monitored include:

- The meadow;
- Bluebird boxes;
- Bat boxes, and;
- Tree plantings.

Site habitat observations include:

- Several stands of the invasive species phragmites;
- Several instances of the invasive species autumn olives; and,
- Bird boxes are tilted on the east-central part of the site.

These observations are documented in the photographic log in Appendix B. The invasive species should be removed from the site and the bird houses straightened. Additionally, overgrown grasses between the landfill and Cleveland Avenue should be mowed.

### 4.3 Groundwater Monitoring Wells

As per the 30-Year IEL Sampling Event Matrix (Table 1), groundwater sampling is to be conducted biennially beginning in May 2013, and includes 23 groundwater monitoring wells and 5 contingency groundwater monitoring wells.

All IEL groundwater monitoring wells, both on- and off-site, were examined as part of the Annual Inspection. The goals of the inspection were to assess the status of the wells. They should be in good shape and securely locked.

The following observations were recorded during the visual inspection:

- MW-24i is inaccessible. It is on private property and a parking lot was paved over the well in 2010. It will be eliminated for future groundwater testing.
- The latches on the protective outer well casings of MW-3i, MW-7i, MW-7d, MW-11i, MW-11s and MW-11d are broken due to rust and age. These wells cannot be locked. The outer steel casing of MW-7d is also off of its base due to settlement. The MW-11 series wells are located near Cleveland Avenue and are outside of the fenced area on the west side of the site. The protective outer well casings for each of these wells will be repaired, or if necessary replaced.
- MW-23s has been hit by a vehicle sometime after May 30, 2012 and before August 3, 2012. It has been knocked over and damaged. The well was hidden from view due to vegetation. Two of its bollards are knocked down to the ground. The protective outer well casing has been knocked off and the well casing has been bent in a sideways direction. This well is located outside of the south side of the fence near an outbuilding. MW-23s will be repaired as appropriate. New bollards will be put in place, which will be taller than the previous bollards in order to improve their visibility.
- All other wells were inspected and were noted as present and in acceptable condition.

The field logs and photo log attached as Appendix C document these observations.

#### 4.4 LFG Monitoring Points

The LFG monitoring points consist of 61 LFG monitoring wells, passive landfill LFG vents and former LFG extraction wells. LFG monitoring points are shown on Figure 2. The goals of the inspection are to ensure that the LFG monitoring points are in good condition.

The following observations were recorded during the visual inspection:

- The outer steel casing of LFG-3 is off of its base and is tilted sideways. LFG-3 is locked.
- The outer casing of LFG-10 has settled and cannot be locked. They are capped with plastic covers. (Each LFG monitoring well is measured at three depths: shallow, intermediate, and deep.)
- The latches on the protective outer well casings of LFG-19 and LFG-23 are broken. They currently cannot be locked. The wells are capped with plastic covers.
- LFG-1 needed a lock, so a lock was placed on outer well cover latch.
- All other wells were inspected and were noted as present. Some of the passive vents are tilted sideways and some extraction wells outer containers are broken, but all are vented and wells themselves are in good shape. Wells that are monitored will be repaired as necessary.

The field logs and photo log attached as Appendix C document these observations.

#### 4.5 Indications of Use limited to Commercial/Industrial and Overall condition of Site and Access Road

The goals of this aspect of the inspection are to ensure that the site is secure, the fence is visible from the road to discourage trespassers, the driveway is accessible to the site and the site is clean of garbage and debris. The following observations were recorded during the visual inspection:

- The area adjacent to Cleveland Avenue and outside the west side of the fence is overgrown with high grass. The grass will be mowed twice a year in May and September.

- Garbage was not observed on the site.
- The driveway leading up to the Main Gate is accessible. No access roads exist within the site.
- No evidence of trespassing was observed.

The field logs and photo log attached as Appendix C document these observations.

#### **4.6 Closed Methane Venting System**

The closed Methane Venting System (MVS) has not operated since 2004. The MVS was inspected and photos were taken. The building was briefly inspected. The structure and the fence around the MVS are in disrepair. The area inside the MVS fence is overgrown with weeds. The US EPA and Ohio EPA Agencies were in agreement that the above ground components of the government-owned MVS, including the building, fence piping and equipment should be demolished pending their approval. It was also agreed that the subgrade components (piping) should stay in place. Soil will be brought in for fill post demolition.

The field logs and photo log attached in Appendix C document these observations.

#### **5.0 PLANNED MAINTENANCE ACTIVITIES**

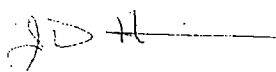
The 2012 Annual Inspection Report recommendations and proposed dates of completion are as follows:

Maintenance Item	Completion Date
Update 'Restricted Area' Signs	Upon confirmation from Ohio EPA
Repair fence on north side and clear vegetation away from fence	60 days from report submittal
Straighten Bird Boxes	60 days from report submittal
MW-24i—Eliminate from GW Monitoring Network List	Upon report submittal
GW Monitoring Well Repairs	60 days from report submittal
LFG Repairs or abandonment	90 days from report submittal
Mowing grass between fence and Cleveland Avenue	60 days from report submittal
Demolish MVS	Upon USEPA Approval

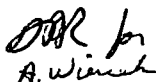
If you have any further questions or comments, please do not hesitate to contact Mr. JD Haines, LPG (IN) of EarthCon at (317) 472-6259.

Respectfully submitted,

**EARTHCON CONSULTANTS, INC.**



JD Haines, LPG (IN)  
Principal Geologist



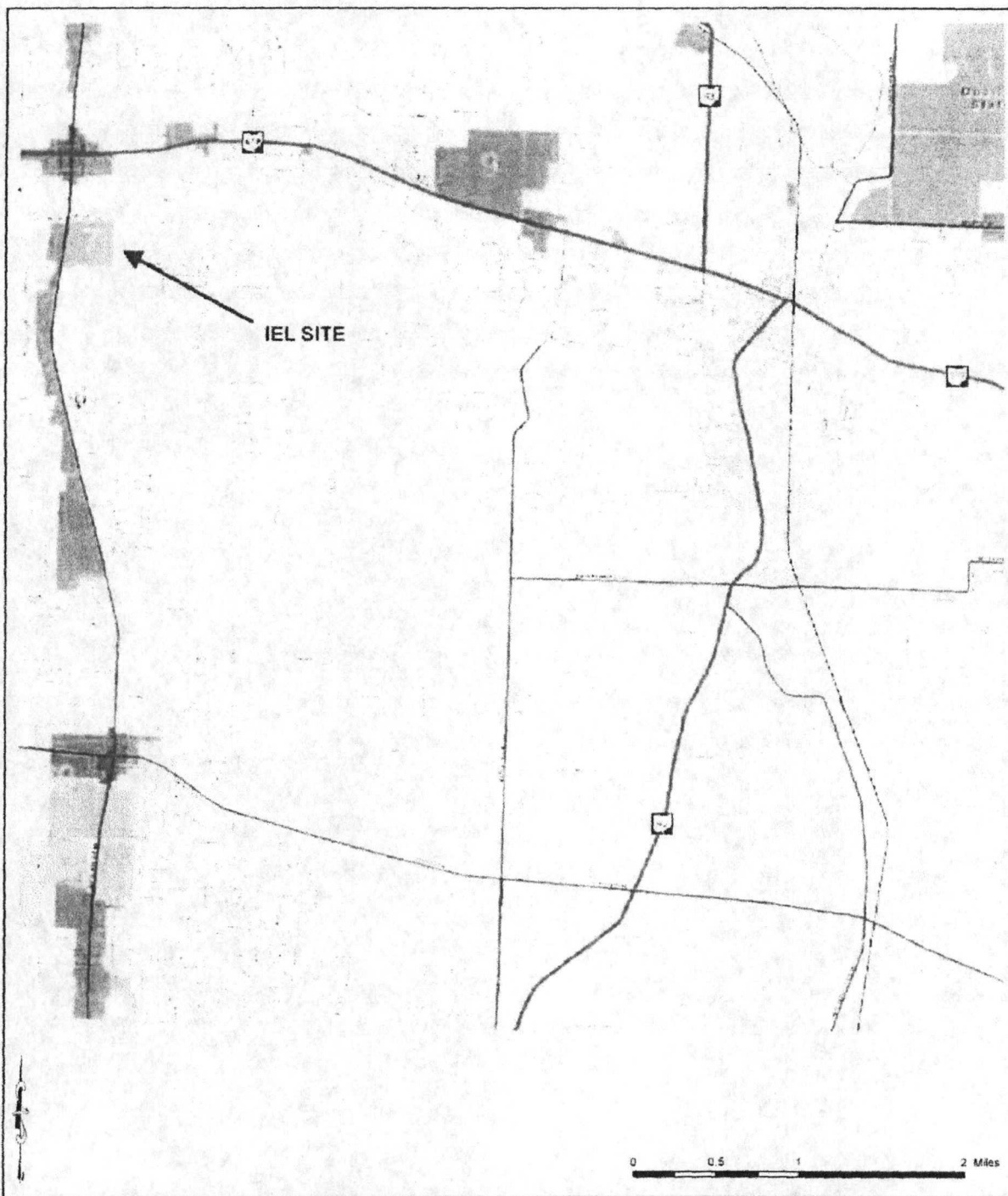
Anka Wiencek  
Project Scientist



David Richardson, PG (SC)  
Principal Geologist

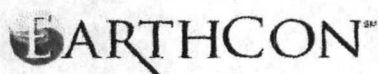
Cc: Ms. Jane Johnson, Bridgestone Americas, Inc.  
Mr. Chuck Wehland, Jones Day  
U.S. EPA (2 hard copies)  
Larry Antonelli, Ohio EPA  
Lake Township Clerk's Office (IEL Site Repository)  
Hartsville Branch Library (IEL Site Repository)  
Hyman Budoff, Industrial Excess Landfill, Inc.

## FIGURES



Industrial Excess Landfill  
Uniontown, Ohio

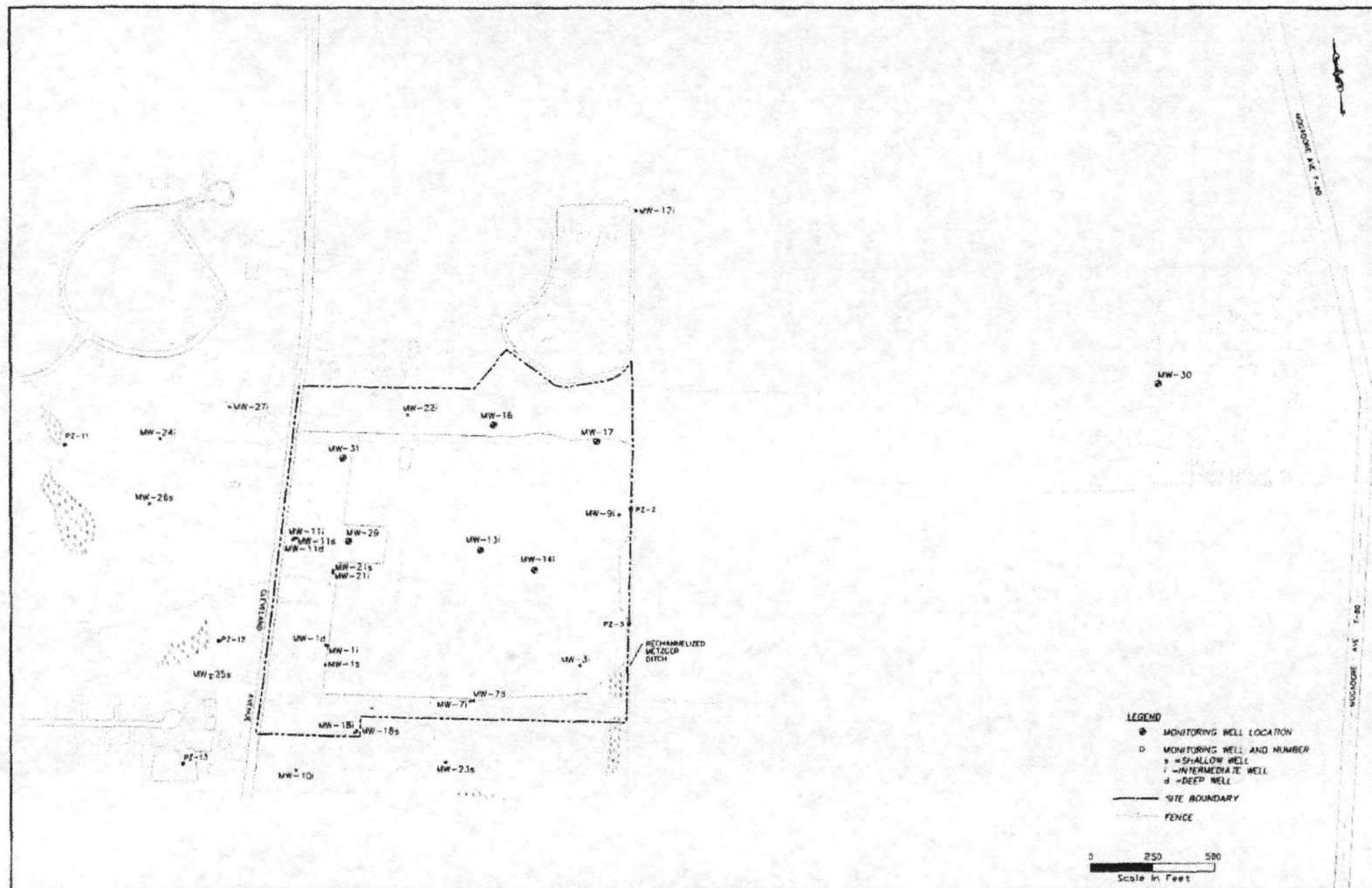
PROJECT NO. 311001



EarthCon Consultants, Inc.  
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA 30062

Site Location Map

DRAWN	CHECKED	DATE	FIGURE
CP	DS	10/27/2011	1



Industrial Excess Landfill  
Uniontown, Ohio

PROJECT NO. 311001

**EARTHCON**<sup>SM</sup>

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

IEL Monitoring Well Network  
Location Map

DRAWN	CP	CHECKED	DS	DATE	10/28/2011	FIGURE	2
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## TABLES

**Table 1. 30-year IEL Sampling Event Matrix**  
(Table 10 of RDP, 9/22/2003)

Notes: Seven monitoring events conducted prior to August 2000. Remedy "in-place" since 1980  
Regular monitoring using modern techniques conducted beginning in August 2000; i.e. year one through year three  
has already been completed under an agreement with the Township under the supervision of USEPA and OhioEPA.  
Assume new monitoring wells installed before August 2004 event

Monitoring Year	Years Post ROD	Event #	Date	Monitoring Well Tiers to be Sampled	Analytical Parameters	Rationale
Year One		1	August-2000	All Tiers	VOCs, Metals, Nat'l, RAD	Supplement the historic database; characterize seasonal variation; monitor natural attenuation processes and chemical constituents on-site; monitor for potential off-site impacts via sentinel wells; put RAD issue to bed.
		2	November-2000	All Tiers: Tier A1** only for RAD	VOCs, Metals, Nat'l, RAD	
		3	February-2001	Tier S, B, OW: Tier A1 only for RAD	VOCs, Metals, Nat'l, RAD	
		4	May-2001	Tier S, B, OW: Tier A1 only for RAD	VOCs, Metals, Nat'l, RAD	
Year Two		5	August-2001	Tier S, B, OW:	VOCs, Metals, Nat'l	Monitor that no off-site migration of landfill constituents is occurring; monitor on-site conditions
		6	May-2002	Tier S, B, OW	VOCs, Metals, Nat'l	
		7	July-2002	All Tiers	VOCs, SVOCs, Metals, Nat'l	All Tiers/Parameters to complete characterization
Year Three		8	November-2002	Tier S, B	VOCs, Metals	Monitor that no off-site migration of landfill constituents is occurring. Snapshot of on-site conditions
		9	March-2003	Tier S, B, OW	VOCs	
		10	July-2003	All Tiers	VOCs, Nat'l	All Tiers to supplement database and confirm nat'l
2003 Year Four			REMEDIAL ACTION APPROVED			
	0	11	November-2003	All Tiers	VOCs	
		12	February-2004	All Tiers	VOCs	
		13	May-2004	All Tiers	VOCs	
		14	August-2004	All Wells	VOCs, SVOCs, Metals, Nat'l	
Year Five	1	15	February-2005	Sentinel, On-Site	VOCs	Number of sampled wells reduced as long as results warrant.
		16	August-2005	Sentinel, On-Site	VOCs	
Year Six	2	17	November-2005	Sentinel, On-Site	VOCs	
		18	May-2006	All Tiers	VOCs, SVOCs, Metals, Nat'l	
Year Six			September-2006	CERCLA 5-YEAR REVIEW		Previous 5-year Review in 2001
Year Seven	3	19	August-2007	All Tiers	VOCs	Planned Annual Sampling of all wells for all parameters unless superseded by agreement
Year Eight	4	20	May-2008	All Tiers	VOCs	
Year Nine	5	21	February-2009	All Tiers	VOCs	
Year Ten	6	22	November-2010	All Tiers	VOCs	
Year Eleven	7	23	May-2011	All Tiers	VOCs, SVOCs, Metals, Nat'l	
Year Eleven			September-2011	CERCLA 5-YEAR REVIEW		
Years 12-33	30	24-34	2012-2033	All Tiers	VOCs, SVOCs, Metals, Nat'l	Biannual sampling of all wells/parameters unless superseded by agreement.

24 Total Number of Events, post-ROD

34 Total Number of Events, post August 2000

## **APPENDIX A**

**Field Log**  
**Site Inspection**  
**Industrial Excess Landfill**  
**Uniontown, Ohio**  
**May 30, 2012**

Arrived at IEL at approximately 10:30 am.

Weather Conditions: Sunny, approximately 85 – 90 deg. F, site was very dry.

Stacey Yonce (U.S. EPA), Larry Antonelli (Ohio EPA), JD Haines (EarthCon) and Anka Wiencek (EarthCon) were present for Site Inspection.

Walked the perimeter of the site and the interior of the site. The goal of the walk through was to discuss site security, the closed methane venting system (MVS), conditions of the ground water monitoring wells and landfill gas wells, site vegetative cover and overall cleanliness of the site.

**NOTES**

1. The fence and gates were inspected. The fence line going east on the north side of the site has areas of excess vegetation that may cause damage to the fence in the future. There are also areas of low fill which cause gaps between the bottom of the fence and the ground. There is a gopher hole near the first gate going east. The gate near LFG Well #16 needs to be tightened.
2. The gates all need to have the same key access.
3. The MVS was inspected. Photos were taken. The building was briefly inspected. The structure and the fence are in disrepair. The area inside the MVS fence is overgrown with weeds. The Agencies were in agreement that the MVS above ground components should be demolished. It was also agreed that the below ground (underground) components should stay in place. Extraction wells will be inspected on a follow-up inspection.
4. The interior of the site had some areas of concern with regard to landfill cover. An ecological habitat inspection will be scheduled.

5. LFG 10 needs a lock and a tag.
6. MW-3i cannot lock. The outer casing has shifted.
7. MW-7d and MW-7i cannot lock, exterior caps are broken.
8. MW-11 series cannot lock, exterior cap hinges are broken.
9. Restricted Area signs need to be updated to reflect current contact information.
10. The site was clean and organized, no garbage or evidence of trespassing was found.
11. A follow-up inspection will be scheduled with Anka Wiencek and Larry Antonelli. This follow-up inspection will satisfy the Annual Inspection requirement of the Operation and Maintenance Plan (DRAFT).

Left the site at approximately 2:00 pm.

## **APPENDIX B**

**Field Log**  
**Ecological Habitat Monitoring**  
**Industrial Excess Landfill**  
**Uniontown, Ohio**  
**June 27, 2012**

Arrived at IEL at approximately 1:30 pm. Walked the perimeter of the site as well as three north-south transects across the site. In general, site conditions were quite dry. Despite this, the meadow vegetation appeared relatively thick and robust.

There are many well-established native tree species, particularly locust and cherry. There are also many autumn olive trees (invasive) especially in the south and west of the site. Another invasive species, phragmites, is mainly observed in the east of the site, with some isolated patches of phragmites in the southwest and south-central portion of the site.

Most (10) of the bluebird boxes were observed. Most are in decent condition, although many of the support poles are tilted and should be straightened. Most of the bluebird boxes appeared to be occupied. The bat condos were not observed- the 15' support pole had nothing atop it. Kestrel boxes were not observed.

Abundant birdlife was observed at the site, principally robins, but also blackbirds, and a titmouse. A large buck was also observed at the site, as well as scat and bedding areas.

Site photos were taken and will be provided separately.

Left the site at approximately 4:10 pm.

Company Name and Site: BATO - IEL **Invasive Species Monitoring Log**

Invasive species (use one sheet per species): Phragmites

use a new line for each action taken if more than one action is performed on any given day.

*	In Detailed Description explain what physical removal method was employed and the number/amount of plants that were removed
**	In Detailed Description explain which chemicals were used and in what concentration, and percent cover treated
***	In Detailed Description explain what biological controls were employed and the species
****	In Detailed Description explain how many people monitored, note any recurring growth

Company Name and Site: BATO IEL

Management goals: Observation

use a new line for each action taken if more than one action is performed on any given day.

[illegible]

*	In Detailed Description explain what physical removal method was employed and the number/amount of plants that were removed
**	In Detailed Description explain which chemicals were used and in what concentration, and percent cover treated
***	In Detailed Description explain what biological controls were employed and the species
****	In Detailed Description explain how many people monitored, note any recurring growth

## Plant survival monitoring data sheet

Name of Observer(s): David Richardson

Date: 6-27-12

Comments: Dry conditions, but meadows appear well vegetated. Many volunteer cherry trees observed.

[illegible]



Bluebird houses in upper meadow



Stand of young cedar trees in upper meadow



More bluebird houses in the upper meadow



Native undergrowth in the center of the site



One of several areas with *Phragmites*



Large animal scat observed in the center of the site



Thick native undergrowth in the southeastern portion of the site

## **APPENDIX C**

**Field Log**  
**Annual Site Inspection**  
**Industrial Excess Landfill**  
**Uniontown, Ohio**  
**August 3, 2012**

Arrived at IEL at approximately 8:00 am.

Weather Conditions: Sunny, approximately 90 - 95 deg. F, site was very dry.

Larry Antonelli (Ohio EPA) and Anka Wiencek (EarthCon) were present for Site Inspection.

The goal of the inspection is to inspect and document the conditions of the ground water monitoring wells, landfill gas wells, maintenance as needed and the perimeter security fence.

Walked the perimeter of the site, the interior of the site, and the surrounding area off the site.

**NOTES**

1. The area outside the fence and adjacent to Cleveland Avenue on the western side of the fence is overgrown with high grass. No garbage was noted in the area. Recommend a mowing frequency of twice a year: May and September.
2. The road leading to the Main Gate is accessible. The Main Gate does have a Restricted Area Sign visible. The sign contains outdated contact information. Ohio EPA is going to change the information to reflect current names and phone numbers. There is a second sign at the northwest corner of the fence.
3. A new padlock was put on the Main Gate and all other perimeter gates. One key opens them all.
4. Fence Line going east on the north side of the fence:
  - a. The north side of the site has areas of excess vegetation that may cause damage to the fence in the future. Recommend that excess vegetation be cut down, if necessary, during May and September mowing activity.

b. There is a gopher hole near the first gate going east. Recommend that the hole be filled in.

c. Near second gate, there is a 10 -15 foot section where the base of the fence does not meet the ground. The fence sits approximately 1 foot above the ground across this section. Recommend soil be brought in to fill in the gap.

d. Fence in front of EW-11 has an approximate 1 foot long and approximate 1 foot deep gap that can be filled in with soil.

e. The May, 2011 fence repairs all look good.

5. No change with MVS since May 30 inspection. If above ground piping is taken out, soil will have to be brought in to fill in holes left behind.

6. Ground Water Monitoring Wells

a. The off-site (residential) wells were inspected by Anka Wiencek. They are all present and do not need improvement. All other wells inspected by Larry Antonelli and Anka Wiencek and are present and do not need improvement except for the following observations:

b. MW-3i needs a new outer cap, it is not locked.

c. MW-7i needs a new outer cap, it is not locked. MW-7d needs a new outer cap, it is not locked. It is also off its base due to settlement.

d. MW-11i, MW-11s, MW-11d all need outer caps. They are not locked.

e. MW-18i needs new Caution Tape around the protective concrete posts. The well sits outside the fence and the posts could be hit by a vehicle.

f. MW-23s needs to be repaired as soon as possible. It sits outside of a work site/garage area. It has been hit by a vehicle since the May 30 inspection. Two of the protective concrete posts are knocked down to the ground. The well itself has been knocked down and the outer cap is completely off.

7. Landfill Gas Monitoring Wells

a. Present and do not need improvement except for the following observations:

1. LFG-10 cannot be locked, outer casing has settled.

2. LFG-23 does not have an outer cap and is not locked.

3. LFG-19 needs a new outer cap.

4. LFG-3 is off of its base and tilts sideways. It is locked.

Left the site at approximately 3:00 pm.

**FIGURE 4.**  
**IEL SITE**  
**ANNUAL INSPECTION FORM**

<b>Site:</b> Closed IEL Landfill Site	<b>Date:</b> 08-03-12 <b>Time:</b> 1500
<b>Address:</b> 12646 Cleveland Avenue NW, Uniontown, OH 44685	<b>Inspector(s):</b> Anka Wiencek EarthCon Site Services, Inc. Somerville, MA
<b>Site Contact:</b> Jane Johnson, BATO	<b>Job No.:</b> 311001.01
<b>Phone:</b> 615-937-1856	<b>Phone No.:</b> 617-661-6606

Item	Present		Improvement Necessary?		Photographs	
	Yes	No	Yes	No	Yes	No
Landfill Cap	✓ ①					
- Settlement (ponding)						
- Erosion (gullies, rills)						
- Vegetative Cover and Habitat	✓ ①					
<u>Location and Density of Plantings</u>						
<u>Native Trees</u>						
<u>Meadow</u>						
<u>Invasive Species</u>						
<u>Birdhouses and Bathouses</u>						
<u>Wildlife Observed</u>						
Access Road to Main Gate	✓			✓	✓	
LFG Monitoring Points	✓		②		✓	
Groundwater Monitoring Wells ③	✓		✓		✓	
Perimeter Fence, Gates, Locks ④	✓		✓		✓	

**Notes/Comments:** ① Ecological Habitat Monitoring Conducted on 06-27-12.  
 ② LFG wells necessary improvement? to be determined.  
 ③ MW-3i, 7i, 7d, 11i, 11s, 11d, 23s need improvement.  
 ④ Excess vegetation removed & gopher hole filled in is needed.

By:

Anka Wiencek

Date:

08-03-2012

IEL 2012 Annual Inspection Photo Log



Area outside of fence line adjacent to Cleveland Avenue



IEL Main Gate



'Restricted Access' Sign on Main Gate



Excess Vegetation and Tree Limb on Fence—North Side

IEL 2012 Annual Inspection Photo Log



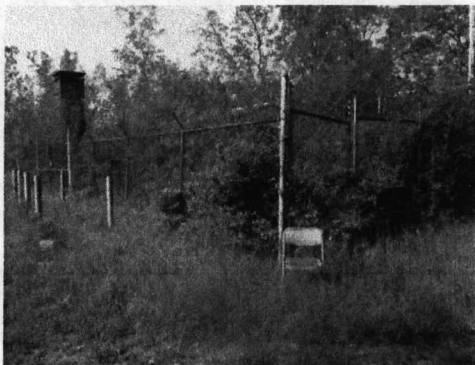
First Gate going east along north side of fence. New padlock.



Gopher hole near first gate going east on north side of fence.



'Restricted Area' sign on southwest corner of fence.



MVS

IEL 2012 Annual Inspection Photo Log



MW-3i



MW-7i



MW-7d



MW-11 series

IEL 2012 Annual Inspection Photo Log



MW-23s (a)



MW-23s (b)



MW-23 ©

IEL 2012 Annual Inspection Photo Log



LFG-3



LFG-10



LFG-19



LFG-23